



Contents

Volume 66 (1993)

Nos. 1, 2

J. Higinbotham, P.H. Beswick, R.J. Malcolmson, D Reed, J.A. Parkinson, I.H. Sadler (Edinburgh, UK), <i>¹³C-NMR determination of the molecular dynamics of cholesterol in dimyristoylphosphatidylcholine vesicles</i>	1
M. Morita, M. Tokita (Tokyo, Japan), <i>Courses of aldehyde formation during linoleate autoxidation and some information about precursors and mechanism</i>	13
G.S. Besra, D.E. Minnikin, P.R. Wheeler, C. Ratledge (Newcastle upon Tyne and Hull, UK), <i>Synthesis of methyl (Z)-tetracos-5-enoate and both enantiomers of ethyl (E)-6-methyltetracos-4-enoate: possible intermediates in the biosynthesis of mycolic acids in mycobacteria</i>	23
G.S. Besra, D.E. Minnikin, M.J. Simpson, M.S. Baird, P.R. Wheeler, C. Ratledge (Newcastle upon Tyne and Hull, UK), <i>The synthesis of methyl 4-(2-octadecylcyclopropen-1-yl)butanoate: a possible inhibitor in mycolic acid biosynthesis</i>	35
Z. Dong, J.A. Butcher, Jr. (Athens, OH), <i>An efficient route to N-palmitoyl-D-erythro-sphingomyelin and its ¹³C-labeled derivatives</i>	41
S.-J. Bae, J.M. Sturtevant (New Haven, CT), <i>The effects of the p-nitrophenyl esters of the even-numbered fatty acids from caproic (C₆) to stearic (C₁₈) on the main phase transition of dimyristoylphosphatidylcholine</i>	47
H. Kutenreich, H.-J. Hinz, R.D. Koynova, B.G. Tenchov (Münster, Germany; Sofia, Bulgaria), <i>Different phase behaviour of the sn-1 and sn-3 stereoisomers of the glycolipid di-tetradecyl-β-D-galactosylglycerol</i>	55
H. Pax, A. Blume (Kaiserslautern, Germany), <i>Polymerizable phospholipids with lipoic acid as head group: synthesis and phase properties</i>	63
P.K.J. Kinnunen, M. Rytömaa, A. Kõiv, J. Lehtonen, P. Mustonen, A. Aro (Helsinki, Finland), <i>Sphingosine-mediated membrane association of DNA and its reversal by phosphatidic acid</i>	75
G. Cervato, P. Viani, P. Gatti, R. Cazzola, B. Cestaro (Milan, Italy), <i>Further studies on the antioxidant role of pyrophosphate in model membranes</i>	87
M. Seras, M. Ollivon, K. Edwards, S. Lesieur (Châtenay-Malabry, France; Uppsala, Sweden), <i>Reconstitution of non-ionic monoalkyl amphiphile-cholesterol vesicles by dilution of lipids-octylglucoside mixed micelles</i>	93
B. Kleuser, N. Schmidt, G. Gercken (Hamburg, Germany), <i>Synthesis of 1-O-alkyl-sn-glycerols and fluorescently labeled analogs from 2,5-O-methylene-D-mannitol as precursor</i>	111
A. Kõiv, P. Mustonen, P.K.J. Kinnunen (Helsinki, Finland), <i>Influence of sphingosine on the thermal phase behaviour of neutral and acidic phospholipid liposomes</i>	123
A. Beck, D. Heissler, G. Duportail (Strasbourg and Illkirch, France), <i>Influence of the length of the spacer on the partitioning properties of amphiphilic fluorescent membrane probes</i>	135
W.W. Christie, E.Y. Brechany, J.L. Sebedio, J.L. Le Quere (Ayr, Scotland; Dijon, France), <i>Silver ion chromatography and gas chromatography-mass spectrometry in the structural analysis of cyclic monoenoic acids formed in frying oils</i>	143

Short communication

B.J. Hare, C.R. Sanders II, S.E. McIntyre, J.H. Prestegard (New Haven, CT), <i>Synthesis and characterization of a ^{13}C-labeled α-mannosyl glycolipid analog from [^{13}C]glucose</i>	155
Announcement	159

No. 3

R.I. Duclos, Jr. (Boston, MA), <i>Synthesis of 1-palmitoyl-2-hexadecyl-sn-glycero-3-phosphocholine (PHPC)</i>	161
J.C. McIntyre, D. Watson, R.G. Sleight (Cincinnati, OH), <i>Synthesis and characterization of fluorescent neutral lipid analogs containing N-(7-nitro-2,1,3-benzoxadiazol-4-yl)-aminohexanoic acid</i>	171
R.M. Epand, C.T. Lemay (Ontario, Canada), <i>Lipid concentration affects the kinetic stability of dielaidoylphosphatidylethanolamine bilayers</i>	181
F.D. Gunstone (St. Andrews, UK), <i>High-resolution ^{13}C NMR spectra of long-chain acids, methyl esters, glycerol esters, wax esters, nitriles, amides, alcohols and acetates</i>	189
I. Svensson, P. Adlercreutz, B. Mattiasson, Y. Miesiz, K. Larsson (Lund, Sweden), <i>Phase behaviour of aqueous systems of enzymatically modified phosphatidylcholines with one hexadecyl and one hexyl or octyl chain</i>	195
A.N. Grechkin, R.A. Kuramshin, E.Y. Safonova, L.S. Mukhtarova, S.K. Latypov, A.V. Ilyasov (Kazan, Russia), <i>The keto-enol tautomerism and the redox conversions of α-ketol fatty acids</i>	199
T. Inoue, I. Motoda, N. Hiramatsu, M. Suzuki, K. Sato (Fukuoka, Amagasaki and Higashi-Hiroshima, Japan), <i>Phase behavior of binary mixture of palmitoleic acid (cis-9-hexadecenoic acid) and asclepic acid (cis-11-octadecenoic acid)</i>	209
S.F. Osman, H.C. Gerard, R.A. Moreau, W.F. Fett (Philadelphia, PA), <i>Model substrates for cutinases</i>	215

Short communications

E. Okamura, J. Umemura, K. Iriyama, T. Araki (Kyoto-fu and Tokyo, Japan), <i>Microstructure of thin Langmuir-Blodgett films of dipalmitoylphosphatidylcholine: electron microscopic images replicated with plasma polymerized film by glow discharge</i>	219
P. Fellmann, P. Hervé, P.F. Devaux (Paris, France), <i>Transmembrane distribution and translocation of spin-labeled plasmalogens in human red blood cells</i>	225
J.N. Herak (Zagreb, Croatia), <i>Physical changes of low-density lipoprotein on oxidation</i>	231
Subject Index — Volume 66	235
Author Index — Volume 66	239
Contents — Volume 66	241

